

Declaration and Power of Attorney For Patent Application

English Language Declaration

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name,

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled GENETIC SUPPRESSION AND REPLACEMENT, the specification of which is attached hereto unless the following box is checked:

☒ was filed on 2 April 1997 as PCT International Application Number PCT/GB97/00929.

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose information which is material to patentability as defined in 37 CFR § 1.56.

I hereby claim foreign priority benefits under 35 U.S.C. § 119(a)-(d) or § 365(b) of any foreign application(s) for patent or inventor's certificate, or § 365(a) of any PCT International application which designated at least one country other than the United States, listed below and have also identified below by checking the box, any foreign application for patent or inventor's certificate, or PCT International application having a filing date before that of the application on which priority is claimed:

Prior Foreign Application(s)

Priority Not Claimed

9606961.2

GB

2 April 1996

(Number)

(Country)

(Day/Month/Year Filed)

☐

—

—

—

(Number)

(Country)

(Day/Month/Year Filed)

☐

I hereby claim the benefit under 35 U.S.C. § 119(e) of any United States provisional application(s) listed below.

—
(Application Number)

—
(Filing Date)

—
(Application Number)

—
(Filing Date)

I hereby claim the benefit under 35 U.S.C. § 120 of any United States application(s), or 365(c) of any PCT International application designating the United States, listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States or PCT International application in the manner provided by the first paragraph of 35 U.S.C. § 112, I acknowledge the duty to disclose information which is material to patentability as defined in 37 CFR § 1.56 which became available between the filing date of the prior application and the national or PCT international filing date of this application:

(Application Number)

(Filing Date)

(Status - patented, pending, abandoned)

(Application Number)

(Filing Date)

(Status - patented, pending, abandoned)

POWER OF ATTORNEY: As a named inventor, I hereby appoint the following attorney(s) and/or agent(s) to prosecute this application and transact all business in the Patent and Trademark Office connected therewith:

Paul F. Prestia	Reg.No. 23,031	Lawrence E. Ashery	Reg.No. 34,515	Mark J. Marcelli	Reg.No. 36,593
Allan Ratner	Reg.No. 19,717	Robert L. Andersen	Reg.No. 25,771	Joshua L. Cohen	Reg.No. 38,040
Andrew L. Ney	Reg.No. 20,300	Christopher R. Lewis	Reg.No. 36,201	Christopher J. Dervishian	Reg.No. 42,480
Kenneth N. Nigon	Reg.No. 31,549	Louis W. Beardell, Jr.	Reg.No. 40,506	Jack J. Jankovitz	Reg.No. 42,690
Kevin R. Casey	Reg.No. 32,117	Rocco L. Adornato	Reg.No. 40,480		
Benjamin E. Leace	Reg.No. 33,412	Jacques L. Etkowicz	Reg.No. 41,738		
James C. Simmons	Reg.No. 24,842	Eric A. Dichter	Reg.No. 41,708		

Address all correspondence to: Allan Ratner

Ratner & Prestia, Suite 301, One Westlakes, Berwyn, P.O. Box 980, Valley Forge, PA 19482-0980

Address all telephone calls to: Allan Ratner at (610) 407-0700.

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Full name of sole or first inventor (given name, family name) Gwenyth Jane Farrar

Inventor's signature _____ Date _____

Residence 9 The Crescent, Monkstown D20, County Dublin, IRELAND

Citizenship Ireland

Post Office Address 9 The Crescent, Monkstown D20, County Dublin, IRELAND

Full name of second joint inventor, if any (given name, family name) Peter Humphries

Second Inventor's signature _____ Date _____

Residence 5 Holmwood, Cabinteely D15, County Dublin, IRELAND

Citizenship Great Britain

Post Office Address 5 Holmwood, Cabinteely D15, County Dublin, IRELAND



Additional inventors are being named on separately numbered sheets attached hereto.

Full name of third joint inventor, if any (given name, family name) Paul Francis K nna

Third inventor's signature _____ Date _____

Residence 176 New Cabra Road, Dublin 7, IRELAND

Citizenship Ireland

Post Office Address 176 New Cabra Road, Dublin 7, IRELAND

Full name of fourth joint inventor, if any (given name, family name) ____

Fourth inventor's signature _____ Date _____

Residence ____

Citizenship ____

Post Office Address ____

Full name of fifth joint inventor, if any (given name, family name) ____

Fifth inventor's signature _____ Date _____

Residence ____

Citizenship ____

Post Office Address ____

Full name of sixth joint inventor, if any (given name, family name) ____

Sixth inventor's signature _____ Date _____

Residence ____

Citizenship ____

Post Office Address ____

Full name of seventh joint inventor, if any (given name, family name) ____

Seventh inventor's signature _____ Date _____

Residence ____

Citizenship ____

Post Office Address ____

MLK-7520

87526B

Page 1 of 3

Declaration and Power of Attorney For Patent Application English Language Declaration

As a below named inventor, I hereby declare that

My residence, post office address and citizenship are as stated below next to my name,

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled GENETIC SUPPRESSION AND REPLACEMENT, the specification of which is attached hereto unless the following box is checked:

☒ was filed on 2 April 1997 as PCT International Application Number PCT/GB97/00929.

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose information which is material to patentability as defined in 37 CFR § 1.56.

I hereby claim foreign priority benefits under 35 U.S.C. §119(a)-(d) or § 365(b) of any foreign application(s) for patent or inventor's certificate, or § 365(a) of any PCT International application which designated at least one country other than the United States, listed below and have also identified below by checking the box, any foreign application for patent or inventor's certificate, or PCT International application having a filing date before that of the application on which priority is claimed:

Prior Foreign Application(s)

Priority Not Claimed

8606961.2

GB

2 April 1996

(Number)

(Country)

(Day/Month/Year Filed)

☐

(Number)

(Country)

(Day/Month/Year Filed)

☐

I hereby claim the benefit under 35 U.S.C. § 119(e) of any United States provisional application(s) listed below.

(Application Number)

(Filing Date)

(Application Number)

(Filing Date)

I hereby claim the benefit under 35 U.S.C. § 120 of any United States application(s), or 365(c) of any PCT International application designating the United States, listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States or PCT International application in the manner provided by the first paragraph of 35 U.S.C. § 112, I acknowledge the duty to disclose information which is material to patentability as defined in 37 CFR § 1.56 which became available between the filing date of the prior application and the national or PCT international filing date of this application:

MYR-7520

Page 2 of 3

(Application Number)

(Filing Date)

(Status - patented, pending, abandoned)

(Application Number)

(Filing Date)

(Status - patented, pending, abandoned)

POWER OF ATTORNEY: As a named inventor, I hereby appoint the following attorney(s) and/or agent(s) to prosecute this application and transact all business in the Patent and Trademark Office connected therewith:

Paul F. Prestia Reg.No. 23,031
 Allan Ratner Reg.No. 19,717
 Andrew L. Ney Reg.No. 20,300
 Kenneth N. Nigon Reg.No. 31,548
 Kevin R. Casey Reg.No. 32,117
 Benjamin E. Lease Reg.No. 33,412
 James C. Simmons Reg.No. 24,842

Lawrence E. Ashery
 Robert L. Andersen
 Christopher R. Lewis
 Louis W. Beardell, Jr.
 Rocco L. Adamato
 Jacques L. Etzkowicz
 Eric A. Dichter

Reg.No. 34,515
 Reg.No. 25,771
 Reg.No. 38,201
 Reg.No. 40,508
 Reg.No. 40,480
 Reg.No. 41,738
 Reg.No. 41,708

Mark J. Marcelli Reg.No. 36,593
 Joshua L. Cohen Reg.No. 38,040
 Christopher J. Dervishian Reg.No. 42,480
 Jack J. Jankovitz Reg.No. 42,680

Address all correspondence to: Allan Ratner

Ratner & Prestia, Suite 301, One Westlakes, Berwyn, P.O. Box 980, Valley Forge, PA 19482-0980

Address all telephone calls to: Allan Ratner at (610) 407-0700.

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Full name of sole or first inventor (given name, family name) Gurrah Jane Ferrar

Inventor's signature Gurrah Jane Ferrar

Date 20/3/99

Residence 9 The Crescent, Monkstown D20, County Dublin, IRELAND

Citizenship Ireland

Post Office Address 9 The Crescent, Monkstown D20, County Dublin, IRELAND

Full name of second joint inventor, if any (given name, family name) Peter Humphries

Second inventor's signature P. Humphries

Date 20/3/99

Residence 5 Holmwood, Cabinteely D15, County Dublin, IRELAND

Citizenship Great Britain

Post Office Address 5 Holmwood, Cabinteely D15, County Dublin, IRELAND



Additional inventors are being named on separately numbered sheets attached hereto.

MUR-7520

Page 3 of 3

Full name of third joint inventor, if any (given name, family name) <u>Paul Francis Kenna</u>		
Third inventor's signature <u>Paul Kenna</u>	Date <u>20/3/99</u>	
Residence <u>176 New Cabra Road, Dublin 7, IRELAND</u>		
Citizenship <u>Ireland</u>		
Post Office Address <u>176 New Cabra Road, Dublin 7, IRELAND</u>		
Full name of fourth joint inventor, if any (given name, family name) _____		
Fourth inventor's signature _____	Date _____	
Residence _____		
Citizenship _____		
Post Office Address _____		
Full name of fifth joint inventor, if any (given name, family name) _____		
Fifth inventor's signature _____	Date _____	
Residence _____		
Citizenship _____		
Post Office Address _____		
Full name of sixth joint inventor, if any (given name, family name) _____		
Sixth inventor's signature _____	Date _____	
Residence _____		
Citizenship _____		
Post Office Address _____		
Full name of seventh joint inventor, if any (given name, family name) _____		
Seventh inventor's signature _____	Date _____	
Residence _____		
Citizenship _____		
Post Office Address _____		

SENT BY: MURGITROYD, GLASGOW
WELLVOLUME UCULHR TCD

2-10-98 16:22
TEL: 555-1-6719394

MURGITROYD & CO. -
02 Oct '98

610 407 0701: # 2 / 2
15:43 No. 002 P.02

Sep 30 1998 11:00AM

KATHLEEN FINESTIA

Applicant or Patent: Geraldine Jones, Peter Lushington, and Paul Francis Kearns

Serial or Patent No: U.S. Patent No. 5,719,394

Filed or Invent: International Filing Date 2 April 1997

For: GENETIC SUPPRESSION AND REPLACEMENT

Attorney's Case No: MUR-7220

#3

VERIFIED STATEMENT (DECLARATION CLAIMING SMALL ENTITY STATUS OF 37 CFR 1.54(a) and 1.54(b) - NONPROFIT ORGANIZATION)

I hereby declare that I am an official empowered to act on behalf of the nonprofit organization identified below:

NAME OF ORGANIZATION Trinity College School of the College of the Holy and Undivided Trinity of Queen Elizabeth

ADDRESS OF ORGANIZATION Trinity College, Dublin 2, IRELAND

TYPE OF ORGANIZATION

- ☐ University or other institution of higher education
☐ The exempt under Internal Revenue Service Code (26 USC 501(c) and 501(c)(2))
☐ Nonprofit scientific or educational under statute of state of the United States of America
(Name of state) _____
(Character of exempt) _____
☐ Exempt under Internal Revenue Service Code (26 USC 501(c) and 501(c)(3)) if located in the United States of America
☐ Exempt under Internal Revenue Service Code (26 USC 501(c) and 501(c)(3)) if located in the United States of America
(Name of state) _____
(Character of exempt) _____

I hereby declare that the nonprofit organization identified qualifies as a nonprofit organization as defined in 37 CFR 1.54(a) for purposes of paying reduced fees under sections 41(a) and (b) of Title 35, United States Code with regard to the invention entitled GENETIC SUPPRESSION AND REPLACEMENT by inventors Geraldine Jones, Peter Lushington, and Paul Francis Kearns described in

- ☒ the application and known
☒ application serial no. 5,719,394, filed 2 April 1997
☐ patent no. _____

I hereby declare that rights under contract or law have been conveyed to and remain with the nonprofit organization with regard to the above identified invention.

If the rights held by the nonprofit organization are not exclusive, each individual, concern or organization having rights in the invention is listed below and any rights in the invention are held by any person, other than the inventor, who could not qualify as a small business concern under 37 CFR 1.54(a) or by any concern which would not qualify as a small business concern under 37 CFR 1.54(a) or a nonprofit organization under 37 CFR 1.54(b).

*NOTE: No person or that concern is required from each small person, concern or organization having claim to the invention according to their status as small entities. (37 CFR 1.57)

NAME

ADDRESS

☐ INDIVIDUAL ☐ SMALL BUSINESS CONCERN ☐ NONPROFIT ORGANIZATION

NAME

ADDRESS

☐ INDIVIDUAL ☐ SMALL BUSINESS CONCERN ☐ NONPROFIT ORGANIZATION

NAME

ADDRESS

☐ INDIVIDUAL ☐ SMALL BUSINESS CONCERN ☐ NONPROFIT ORGANIZATION

I acknowledge the duty to file, in this application or patent, certification of my change in status resulting in loss of entitlement to small entity status prior to paying, or at the time of paying, the fee of the issue fee or any maintenance fee due after the date on which such fee is no longer appropriate. (37 CFR 1.54(b))

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true and further that these statements were made with the knowledge that without false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code, and that such without false statements may jeopardize the validity of the application, any patent issuing thereon, or any patent to which this verified statement is directed.

NAME OF PERSON SIGNING

TITLE OF PERSON SIGNING EDIN P. O'NEILL

ADDRESS OF PERSON SIGNING TRINITY COLLEGE, DUBLIN 2, IRELAND

SIGNATURE

DATE 2nd OCT '98

Applicant or Patentee: Gwenyth Jane Farrar, Peter Humphries, and Paul Francis Kenna
Serial or Patent No.: U.S. National Patent of PCT/GB97/00929
Filed or Issued: International Filing Date: 2 April 1997.
For: GENETIC SUPPRESSION AND REPLACEMENT

Attorney's Docket No.: MUR-7520

**VERIFIED STATEMENT (DECLARATION) CLAIMING SMALL ENTITY
STATUS (37 CFR 1.9(f) and 1.27(b) - INDEPENDENT INVENTOR**

As a below named inventor, I hereby declare that I qualify as an independent inventor as defined in 37 CFR 1.9(c) for purposes of paying reduced fees under section 41(a) and (b) of Title 35, United States Code, to the Patent and Trademark Office with regard to the invention entitled GENETIC SUPPRESSION AND REPLACEMENT described in

- ☐ the specification filed herewith.
☒ application serial no. PCT/GB97/00929, filed 2 April 1997
☐ patent no. ___, issued ___

I have not assigned, granted, conveyed or licensed and am under no obligation under contract or law to assign, grant, convey or license, any rights in the invention to any person who could not be classified as an independent inventor under 37 CFR 1.9(c) if that person had made the invention, or to any concern which would not qualify as a small business concern under 37 CFR 1.9(d) or a nonprofit organization under 37 CFR 1.9(e).

Each person, concern or organization to which I have assigned, granted, conveyed, or licensed or am under an obligation under contract or law to assign, grant, convey, or license any rights in the invention is listed below:

- ☐ no such person, concern, or organization
☐ persons, concerns, or organizations listed below*

*NOTE: Separate verified statements are required from each named person, concern or organization having rights to the invention averring to their status as small entities. (37 CFR 1.27)

FULL NAME _____

ADDRESS _____

- ☐ INDIVIDUAL ☐ SMALL BUSINESS CONCERN ☐ NONPROFIT ORGANIZATION

FULL NAME _____

ADDRESS _____

- ☐ INDIVIDUAL ☐ SMALL BUSINESS CONCERN ☐ NONPROFIT ORGANIZATION

FULL NAME _____

ADDRESS _____

- ☐ INDIVIDUAL ☐ SMALL BUSINESS CONCERN ☐ NONPROFIT ORGANIZATION

I acknowledge the duty to file, in this application or patent, notification of any change in status resulting in loss of entitlement to small entity status prior to paying, or at the time of paying, the earliest of the issue fee or any maintenance fee due after the date on which status as a small entity is no longer appropriate. (37 CFR 1.28(b)).

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application, any patent issuing thereon, or any patent to which this verified statement is directed.

Gwenyth Jane Farrar
NAME OF INVENTOR

Peter Humphries
NAME OF INVENTOR

Paul Francis Kenna
NAME OF INVENTOR

Signature of Inventor

Signature of Inventor

Signature of Inventor

Date

Date

Date

Casey's Docket No.: MUR-7520

I hereby declare that I am an official empowered to act on behalf of the nonprofit organization identified below:

ADDRESS OF ORGANIZATION Trinity College, Dublin 2, IRELAND

TYPE OF ORGANIZATION

- ☐ University or other institution of higher education
- ☐ Tax exempt under Internal Revenue Service Code (26 USC 501(a) and 501(c)(3))
- ☐ Nonprofit scientific or educational under statute of state of the United States of America
(Name of state ____)
(Citation of statute ____)
- ☐ Would qualify as tax exempt under Internal Revenue Service Code (26 USC 501(a) and 501(c) (3)) if located in the United States of America
- ☐ Would qualify as nonprofit scientific or educational under statute of state of the United States of America if located in the United States of America
(Name of state ____)
(Citation of statute ____)

I hereby declare that the nonprofit organization identified qualifies as a nonprofit organization as defined in 37 CFR 1.9(e) for purposes of paying reduced fees under section 41(a) and (b) of Title 35, United States Code with regard to the invention entitled GENETIC SUPPRESSION AND REPLACEMENT by inventor(s) Gwenyth Jane Farrar, Peter Humphries, and Paul Francis Kenna described in

- ☐ the specification filed herewith.
☒ application serial no. PCT/GB97/00929, filed 2 April 1997.
☐ patent no. _____, issued _____.

I hereby declare that rights under contract or law have been conveyed to and remain with the nonprofit organization with regard to the above identified invention.

If the rights held by the nonprofit organization are not exclusive, each individual, concern or organization having rights to the invention is listed below* and no rights to the invention are held by any person, other than the inventor, who could not qualify as a small business concern under 37 CFR 1.9(d) or by any concern which would not qualify as a small business concern under 37 CFR 1.9(d) or a nonprofit organization under 37 CFR 1.9(e).

*NOTE: Separate verified statements are required from each named person, concern or organization having rights to the invention averring to their status as small entities. (37 CFR 1.27)

NAME _____

ADDRESS _____

- ☐
- INDIVIDUAL
- ☐
- SMALL BUSINESS CONCERN
- ☐
- NONPROFIT ORGANIZATION

NAME _____

ADDRESS _____

- ☐
- INDIVIDUAL
- ☐
- SMALL BUSINESS CONCERN
- ☐
- NONPROFIT ORGANIZATION

NAME

ADDRESS _____

- ☐ INDIVIDUAL ☐ SMALL BUSINESS CONCERN ☐ NONPROFIT ORGANIZATION

I acknowledge the duty to file, in this application or patent, notification of any change in status resulting in loss of entitlement to small entity status prior to paying, or at the time of paying, the earliest of the issue fee or any maintenance fee due after the date on which status as a small business entity is no longer appropriate. (37 CFR 1.28(b)).

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application, any patent issuing thereon, or any patent to which this verified statement is directed.

NAME OF PERSON SIGNING _____

TITLE OF PERSON OTHER THAN OWNER

ADDRESS OF PERSON SIGNING _____

SIGNATURE _____ DATE _____

Applicant or Patentee: Gwenyth Jane Farrar, Peter Humphries, and Paul Francis Kenna
Serial or Patent No.: U.S. National Phase of PCT/GB97/00929
Filed or Issued: International Filing Date: 2 April 1997
For: GENETIC SUPPRESSION AND REPLACEMENT

Attorney's Docket No.: MUR-7520

**VERIFIED STATEMENT (DECLARATION) CLAIMING SMALL ENTITY
STATUS (37 CFR 1.9(f) and 1.27(d) - NONPROFIT ORGANIZATION)**

I hereby declare that I am an official empowered to act on behalf of the nonprofit organization identified below:

NAME OF ORGANIZATION Provost, Fellows and Scholars of the College of the Holy and Undivided Trinity of Queen Elizabeth near Dublin

ADDRESS OF ORGANIZATION Trinity College, Dublin 2, IRELAND

TYPE OF ORGANIZATION

- ☒ University or other institution of higher education
☐ Tax exempt under Internal Revenue Service Code (26 USC 501(a) and 501(c)(3))
☐ Nonprofit scientific or educational under statute of state of the United States of America
(Name of state ____)
(Citation of statute ____)
☐ Would qualify as tax exempt under Internal Revenue Service Code (26 USC 501(a) and 501(c)(3)) if located in the United States of America
☐ Would qualify as nonprofit scientific or educational under statute of state of the United States of America if located in the United States of America
(Name of state ____)
(Citation of statute ____)

I hereby declare that the nonprofit organization identified qualifies as a nonprofit organization as defined in 37 CFR 1.9(e) for purposes of paying reduced fees under section 41(a) and (b) of Title 35, United States Code with regard to the invention entitled GENETIC SUPPRESSION AND REPLACEMENT by inventor(s) Gwenyth Jane Farrar, Peter Humphries, and Paul Francis Kenna described in

- ☐ the specification filed herewith.
☒ application serial no. PCT/GB97/00929, filed 2 April 1997
☐ patent no. ___, issued ____

I hereby declare that rights under contract or law have been conveyed to and remain with the nonprofit organization with regard to the above identified invention.

If the rights held by the nonprofit organization are not exclusive, each individual, concern or organization having rights to the invention is listed below* and no rights to the invention are held by any person, other than the inventor, who could not qualify as a small business concern under 37 CFR 1.9(d) or by any concern which would not qualify as a small business concern under 37 CFR 1.9(d) or a nonprofit organization under 37 CFR 1.9(e).

*NOTE: Separate verified statements are required from each named person, concern or organization having rights to the invention averring to their status as small entities. (37 CFR 1.27)

NAME _____

ADDRESS _____

- ☐ INDIVIDUAL ☐ SMALL BUSINESS CONCERN ☐ NONPROFIT ORGANIZATION

NAME _____

ADDRESS _____

- ☐ INDIVIDUAL ☐ SMALL BUSINESS CONCERN ☐ NONPROFIT ORGANIZATION

NAME _____

ADDRESS _____

- ☐ INDIVIDUAL ☐ SMALL BUSINESS CONCERN ☐ NONPROFIT ORGANIZATION

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I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application, any patent issuing thereon, or any patent to which this verified statement is directed.

NAME OF PERSON SIGNING _____

TITLE OF PERSON OTHER THAN OWNER _____

ADDRESS OF PERSON SIGNING _____

SIGNATURE _____ DATE _____

Unsigned Copy for Information purposes

SENT BY: MURGITROYD, GLASGOW
WELLUSME UCULHR 1CD
SEP 30 1988 11:00AM

2-10-98 16:22
TEL 55-1-6719594
K/ & FINESTIA

MURGITROYD & CO. -
02 Oct 15:43
No. 000 7, 0/0

610 407 0701: # 2/ 2
No. 002 P.02

Applicant or Patentee: Glenville & Co. Fine Jewellery and Paul Francis Keane
Serial or Patent No: U.S. Patent No. 4,810,000
Filed or Invent: International Filing Date 2 April 1987
For: GRUPEL, SUFFOLK AND REPLACEMENT

Attorney's Docket No.: MUR-7728

**VERIFIED STATEMENT DECLARATION CLAIMING SMALL ENTITY
STATUS OF CFR 1.5(a) and 1.5(b) - NONPROFIT ORGANIZATION**

I hereby declare that I am an official empowered to act on behalf of the nonprofit organization identified below:

NAME OF ORGANIZATION: Trinity College and School of the Holy and Immaculate Conception of Queen Mary
NEW JERSEY

ADDRESS OF ORGANIZATION: Trinity College, Route 2, JERLAND

TYPE OF ORGANIZATION

- ☒ University or other institution of higher education
☐ The change under Internal Revenue Service Code (26 USC 501(c)(3) and 501(c)(27))
☐ Nonprofit scientific or educational under statute of state of the United States of America
(Name of state:)
(Change of state:)
☐ World entity or law change under Internal Revenue Service Code (26 USC 501(c)(3) and 501(c)(27)) if located in the United States of America
☐ World entity or law change under statute of state of the United States of America if located in the United States of America
(Name of state:)
(Change of state:)

I hereby declare that the nonprofit organization identified qualifies as a nonprofit organization as defined in 37 CFR 1.5(a) for purposes of paying reduced fees under section 4(f)(1) and (2) of Title 35, United States Code with regard to the invention entitled GRUPEL, SUFFOLK AND REPLACEMENT by inventors Glenville & Co. Fine Jewellery and Paul Francis Keane described in

- ☐ the specification filed herewith.
☒ application serial no. 02/000,000, filed 2 April 1987.
patent no. 4,810,000

I hereby declare that rights under contract or law have been assigned to and comply with the nonprofit organization with regard to the above identified invention.

If the rights held by the nonprofit organization are not exclusive, each individual, concern or organization having rights in the invention in their own right and no rights in the invention are held by any person, other than the inventor, who could not qualify as a small business concern under 37 CFR 1.5(d) or by any concern which would not qualify as a small business concern under 37 CFR 1.5(d) or a nonprofit organization under 37 CFR 1.5(c).

*NOTE: Separate verified statements are required from each small person, concern or organization having rights in the invention according to their status as small entities. (37 CFR 1.57)

NAME

ADDRESS

☐ INDIVIDUAL

☐ SMALL BUSINESS CONCERN

☐ NONPROFIT ORGANIZATION

NAME

ADDRESS

☐ INDIVIDUAL

☐ SMALL BUSINESS CONCERN

☐ NONPROFIT ORGANIZATION

NAME

ADDRESS

☐ INDIVIDUAL

☐ SMALL BUSINESS CONCERN

☐ NONPROFIT ORGANIZATION

I acknowledge the duty to file, in this application or patent, notification of any change in status resulting in loss of entitlement to small entity status prior to paying, or at the time of paying, the applicant of the issue fee or any maintenance fee due after the date on which notice as a small business entity is no longer appropriate. (37 CFR 1.52(b)).

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application, any patent issuing thereon, or any patent in which this verified statement is directed.

NAME OF PERSON SIGNING: Edin P. O'Neill

TITLE OF PERSON OTHER THAN OWNER: DIRECTOR OF INNOVATION SERVICES

ADDRESS OF PERSON SIGNING: TRINITY COLLEGE, DUBLIN 2, IRELAND

SIGNATURE

Edin P. O'Neill

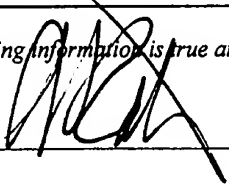
DATE: 2nd OCT '98

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1. Name of conveying party(ies): <u>Gwenyth Jane Farrar, Peter Humphries, and Paul Francis Kenna</u>		2. Name and address of receiving party(ies): Name: <u>Provost, Fellows and Scholars of the College of the Holy and Undivided Trinity of Queen Elizabeth Near Dublin et al.</u> Address: <u>Trinity College, Dublin, Dublin 2, IRELAND</u>	
Additional name(s) of conveying party(ies) attached? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO		Additional name(s) & address(es) attached? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	
3. Nature of Conveyance: <input checked="" type="checkbox"/> Assignment <input type="checkbox"/> Merger <input type="checkbox"/> Security Agreement <input type="checkbox"/> Change of Name <input type="checkbox"/> Correction of Assignment Recordation (previously recorded at Reel <u> </u> , Frame <u> </u>). <input type="checkbox"/> Other			
Execution Date: <u>20 March 1999</u>			
4. Application number(s) or patent number(s): If this document is being filed together with a new application, the execution date of the application is: <u> </u> A. Patent Application Number(s) <u>09/155,708</u> B. Patent Number(s) <u> </u>			
Additional number(s) attached? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO			
5. Name and address of party to whom correspondence concerning document should be mailed: Name: <u>Allan Ratner</u> Internal Address: <u>Ratner & Prestia</u> Street Address: <u>Suite 301, One Westlakes, Berwyn,</u> <u>P.O. Box 980</u> City: <u>Valley Forge</u> State: <u>PA</u> ZIP: <u>19482-0980</u>		6. Total number of applications and patents involved: <u>1</u>	
		7. Total fee (37 CFR 3.41): \$ <u>40</u> <input checked="" type="checkbox"/> Enclosed <input type="checkbox"/> Authorized to be charged to deposit account	
		8. Deposit account number: <u>18-0350</u> (Attach duplicate copy of this page if paying by deposit account.)	

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9. Statement and signature. <i>To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.</i>	
<u>Allan Ratner</u> Name of Person Signing <u>19,717</u> Registration. No.	 Signature
	<u>4/5/99</u> Date
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MUR-7520

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ASSIGNMENT - U.S.A.

WHEREAS I/WE FARRAR, Gwennyth Jane, 9 The Crescent, Monkstown D20, County Dublin, Ireland, HUMPHRIES, Peter, 5 Holmwood, Cabinteely D15, County Dublin, Ireland and KEMMA, Paul Francis 176 New Cabra Road, Dublin 7, Ireland (hereinafter referred to as "the Undersigned") having made an invention entitled "Genetic Suppression and Replacement" for which the Undersigned executed an application for United States Letters Patent on on the date hereof,

WHEREAS Provost, Fellows and Scholars of the College of the Holy and Undivided Trinity of Queen Elizabeth near Dublin et al, Trinity College Dublin, Dublin 2 (hereinafter referred to as "Assignee") is desirous of acquiring the entire right, title and interest in said invention, said application, and all United States Letters Patent issuing for said invention,

NOW THEREFORE in consideration of One Dollar (\$1.00) and other good and valuable consideration, receipt of which is hereby acknowledged, the Undersigned, intending to be legally bound, does hereby sell, assign and transfer to Assignee the entire right title and interest for the United States of America, its territories and possessions in said invention, including said patent application, all divisions and continuations thereof, and all Letters Patent and reissues thereof issuing for said invention in the United States of America.

It is agreed that the Undersigned shall be legally bound, upon request of Assignee its successors or assigns or a legal representative thereof, to supply all information or evidence of which the Undersigned has knowledge or possession relating to the making and practice of said invention, to testify in any legal proceedings relating thereto, and to execute all instruments proper to patent the invention in the United States of America in the name of Assignee. If the Undersigned includes more than one individual, these obligations shall apply to all of the Undersigned both individually and collectively.

The rights and property herein conveyed by the Undersigned are free and clear of any encumbrance.

EXECUTED by the Undersigned the place and date shown below.

(signature)


Gwenyth Jane Farrar

(place)

General Department, Trinity College Dublin

(date)

20/2/99

(signature)


Peter Humphries

(place)

20/3/99

(date)

(signature)


Paul Francis Kenna

(place)

Trinity College Dublin

(date)

20/3/99